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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	10/561,348	12/19/2005	Clive Daniel Sidney Tuck	3589 P 011	9654
	23424 7590 04/06/2007 WALLENSTEIN & WAGNER, LTD. 311 SOUTH WACKER DRIVE 53RD FLOOR CHICAGO, IL 60606		· · · · · · · · · · · · · · · · · · ·	EXAMINER	
				IP, SIKYIN	
				ART UNIT	PAPER NUMBER
	Cincreo, in			1742	
	SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		SHTAG	04/06/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Applic	ation No.	Applicant(s)				
· ·		1,348	TUCK ET AL.				
Office Action Summary	Exami	ner	Art Unit	_			
	Sikyin	·	1742				
The MAILING DATE of this commun Period for Reply	nication appears on	the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD F WHICHEVER IS LONGER, FROM THE N - Extensions of time may be available under the provision after SIX (6) MONTHS from the mailing date of this com If NO period for reply is specified above, the maximum s - Failure to reply within the set or extended period for repl Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF s of 37 CFR 1.136(a). In n munication. tatutory period will apply as y will, by statute, cause the	THIS COMMUNICATION o event, however, may a reply be tirred will expire SIX (6) MONTHS from application to become ABANDONE	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status			•				
1) Responsive to communication(s) file	ed on <u>19 Decembe</u>	<u>r 2005</u> .					
2a) ☐ This action is FINAL .	This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the pract	ice under <i>Ex parte</i>	Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims		•					
4)⊠ Claim(s) <u>1-10 and 13-16</u> is/are pend	ding in the applicat	ion.					
4a) Of the above claim(s) is/a	are withdrawn from	consideration.	•				
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-10 and 13-16</u> is/are reject	cted.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restri	ction and/or electio	n requirement.					
Application Papers		·					
9)☐ The specification is objected to by the	e Examiner.						
10) The drawing(s) filed on is/are	: a) ☐ accepted o	b) objected to by the E	xaminer.				
Applicant may not request that any obje	ection to the drawing(s) be held in abeyance. See	37 CFR 1.85(a).				
Replacement drawing sheet(s) including	g the correction is red	quired if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected t	o by the Examiner.	Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119	,						
12)⊠ Acknowledgment is made of a claim a)⊠ All b)□ Some * c)□ None of:	12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
1. Certified copies of the priority	documents have t	peen received.					
2. Certified copies of the priority			on No				
3. Copies of the certified copies	of the priority docu	ıments have been receive	d in this National Stage				
application from the Internation	•	, ,,	_				
* See the attached detailed Office action	on for a list of the c	ertified copies not receive	d.				
			SIKYIN IP PRIMARY EXAMINER				
Attachment(s)		_					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (F 	OTO 048)	4) Interview Summary Paper No(s)/Mail Da					
 Notice of Draftsperson's Patent Drawing Review (F3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>2/24/06</u>. 	-10-946)	5) Notice of Informal Pa					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by USP 3399057 to Richardson et al (col. 5, Table III, example 13 and optional elements in abstract).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order

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for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 4-6 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over USP 3399057 to Richardson et al (abstract).

Claims 1-6 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over USP 2430306 to Smith (col. 1, lines 18-21 and col. 5, lines 1-36).

Cited references disclose the features including the Cu-Ni-Mn-Al alloy composition. Therefore, when prior art compounds essentially "bracketing" the claimed compounds in structural similarity are all known, one of ordinary skill in the art would clearly be motivated to make those claimed compounds in searching for new products in the expectation that compounds similar in structure will have similar properties. In re-Gyurik, 596 F.2d 1012, 1018, 201 USPQ 552, 557 (CCPA 1979); See In re May, 574 F.2d 1082, 1094, 197 USPQ 601, 611 (CCPA 1978) and In re Hoch, 57 CCPA 1292, 1296, 428 F.2d 1341, 1344, 166 USPQ 406, 409 (1970). As stated in In re Peterson, 315 F.3d 1325, 1329-30, 65 USPQ2d 1379, 1382 (Fed. Cir. 2003), that "A prima facie case of obviousness typically exists when the ranges of a claimed composition overlap the ranges disclosed in the prior art". Therefore, it would have been obvious to one of ordinary skill in the art to select any portion of range, including the claimed range, from the broader range disclosed in a prior art reference because the prior art reference finds that the prior art composition in the entire disclosed range has a suitable utility. Also see MPEP § 2131.03 and § 2123.

With respect to the instant claimed Ni/Al ratio that the ratio would have been inherently possessed by the overlapped compositions.

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Claims 1-10 and 13-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over USP 4016010 to Caron et al.

Caron discloses the features including the Cu-Ni-Mn-Al alloy composition (col. 3 lines 23 to col. 4, lines 6) and tensile properties (col. 7, Table I, Sample Alloy Cu-15Ni-2Al, third one from the bottom of the Table) except for the Ni/Al ratio and hardness.

With respect to the instant claimed Ni/Al ratio that the ratio would have been inherently possessed by the overlapped compositions.

Because the instant alloy compositions, tensile properties, and elongation are overlapped by the cited reference. It is known in the art of cited reference that hardness is proportional to tensile strength; consequently, the hardness as recited in the instant claims would have inherently possessed by the teachings of the cited reference.

Therefore, the burden is on the applicant to prove that the product of the prior art does not necessarily or inherently possess characteristics attributed to the claimed product.

In re Best, 195 USPQ, 430 and MPEP § 2112.01.

"Where the claimed and prior art products are identical or substantially identical in structure or composition, or are produced by identical or substantially identical processes, a prima facie case of either anticipation or obviousness has been established, In re Best, 195 USPQ 430, 433 (CCPA 1977). "When the PTO shows a sound basis for believing that the products of the applicant and the prior art are the same, the applicant has the burden of showing that they are not." In re Spada, 15 USPQ2d 1655, 1658 (Fed. Cir. 1990). Therefore, the prima facie case can be rebutted by evidence showing that the prior art products do not necessarily possess the characteristics of the claimed product. In re Best, 195 USPQ 430, 433 (CCPA 1977)."

Conclusion

The above rejection relies on the reference(s) for all the teachings expressed in the text(s) of the references and/or one of ordinary skill in the metallurgical art would

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have reasonably understood or implied from the text(s) of the reference(s). To emphasize certain aspect(s) of the prior art, only specific portion(s) of the text(s) have been pointed out. Each reference as a whole should be reviewed in responding to the rejection, since other sections of the same reference and/or various combination of the cited references may be relied on in future rejection(s) in view of amendment(s).

All recited limitations in the instant claims have been meet by the rejections as set forth above.

Applicant is reminded that when amendment and/or revision is required, applicant should therefore specifically point out the support for any amendments made to the disclosure. See 37 C.F.R. § 1.121; 37 C.F.R. Part §41.37 (c)(1)(v); MPEP §714.02; and MPEP §2411.01(B).

Examiner Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Ip whose telephone number is (571) 272-1241. The examiner can normally be reached on Monday to Friday from 5:30 A.M. to 2:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Roy V. King, can be reached on (571)-272-1244.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SIKYIN IP
PRIMARY EXAMINER
ART UNIT 1742

S. lp March 29, 2007